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       The Australian National Amateur Radio Teleprinter Society
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Here is a Weekly Rtty Broadcast, transmitted earlier this morning.
We transmit each Sunday on the following frequencies and times :

  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD (COL)
  7.045 MHz  -3              0030 UTC     VK2CTD (COL)
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM (ALAN)
 14.091 MHz                  0030 UTC     VK2DPM (ALAN)
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY

        INTERNET         RADIO-INFO-DIST AT UCSD.EDU

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FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH

The Current  Broadcast is entered as a message in the Mailbox  of
Col VK2CTD.  The Mailbox is left running on both Amtor and Pactor
modes each Sunday afternoon on 3542 khz. Selcall is VCTD.  If you
are unable  to copy the Rtty cast on 40 or 20 metres,  because of
poor propagation,  why not download it from this Mailbox Service.
The Mailbox will be  available from 0300 to 0800 Utc each Sunday.
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Views  expressed  in  this news bulletin are  not  necessarily
those of the Broadcast Officer, the Relay Officers, or of the
Society.

A.N.A.R.T.S. News Bulletin 979 5th October 1997

COLS COLUMN
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EARLY COMMUNICATIONS. COOKE AND THE ENGLISH RAILWAYS.

BY 1836,  COOKE HAD BECOME OF THE OPINION THAT THE BEST MARKET
FOR  ELECTRICAL  COMMUNICATIONS  WAS  THE  NEW  RAILWAYS.   HE
APPROACHED  THE  DIRECTORS  OF THE  LIVERPOOL  AND  MANCHESTER
RAILWAY  COMPANY BUT,  WAS UNSUCCESSFUL IN PERSUADING THEM  TO
ADOPT  HIS  TELEGRAPH.  HE  THEN  APPROACHED  THE  LONDON  AND
BIRMINGHAM RAILWAY WITH MORE SUCCESS.

COOKE  WANTED  TO  USE  A TELEGRAPH AS A FIRE  ALARM  ON  THIS
RAILWAY  BUT WAS DISSUADED FROM THIS BY A FRIEND WHO  TOLD  TO
WAIT   BEFORE   PROCEEDING  WITH  A  PROJECT  'INVOLVING   THE
DISTURBANCE OF THE PAVEMENT' UNTIL THE SYSTEM HAD BEEN PROVEN.
AT THIS TIME HE MET THE FAMOUS ENGINEER ROBERT STEPHENSON, AND
THROUGH  HIM  GOT  PERMISSION  TO OCCUPY  A  BUILDING  ON  THE
RAILWAYS PROPERTY.  HE ALSO OBTAINED THE RIGHT TO HAVE AS MANY
MEN  AND  EQUIPMENT  AS  HE LIKED  TO  BUILD  A  DEMONSTRATION
TELEGRAPH.

WITHIN A SHORT TIME HE HAD MADE A LINE MANY MILES LONG  WITHIN
THE BUILDING AND WAS READY TO DEMONSTRATE IT TO STEPHENSON. ON
JULY  4TH  THAT YEAR HE TRANSMITTED IN STEPHENSON'S AND  OTHER
DIRECTORS PRESENCE, FIRST A DISTANCE OF ONE MILE. HE INCREASED
THE  DISTANCE GRADUALLY TO A TOTAL OF 13 MILES.  THIS  WAS  TO
SHOW IN COOKES WORDS 'SIMPLY TO SHOW THAT THE CURRENT OF FLUID
WOULD PASS THROUGH MILES OF WIRE INSTANTANEOUSLY'. HE USED THE
SAME TELEGRAPH THAT HE HAD BUILT WHILE IN HEIDELBERG,  THE ONE
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UTILISING A SINGLE DEFLECTED NEEDLE. IT CAUSED GREAT EXCITMENT AND INTEREST. HE THEN OPERATED BELLS AND OTHER DEVICES. HE FINALLY DISPLAYED THE GRADUAL DECREASE OF CURRENT OVER VARIOUS INCREASING LENGTHS OF WIRE.

COOKE MUST HAVE DEVISED A RELAY OF SOME KIND AT THIS TIME. IN A LETTER HE WROTE ON 9TH JULY 1837 HE SAYS 'THE RESULTS OF OUR EXPERIMENTS FAR SURPASS MY EXPECTATIONS. MY INSTRUMENTS FOR BRINGING A SECONDARY BATTERY INTO ACTION AT THE DISTANCE OF 14 MILES. ACT UNDER THE INFLUENCE OF SIX PLATES OF MY OWN CONSTRUCTION.

PROFESSOR WHEATSONE HAD CALCULATED UPON SEVEN PLATES PER MILE AND I UPON TWO. WE WERE BOTH VERY WIDC OF THE MARK. A PUBLIC DEMONSTRATION WAS HELD ON 25TH JULY 1837 TO SHOW THE TELEGRAPH OPERATING ALONG THE RAILWAY LINE BETWEEN EUSTON AND CAMDEN TOWN, A DISTANCE OF ABOUT ONE MILE. AMONG MANY PRESENT WERE STEPHENSON AND SIR CHARLES FOX THE RESIDENT ENGINEER OF THE LONDON AND BIRMINGHAM RAILWAY. THIS TIME THEY USED WHEATSTONES 5 NEEDLE TELEGRAPH. NOT MUCH AT ALL HAS BEEN RECORDED OF THE RESULTS OF THIS DEMONSTRATION, BUT COOKE FELT SUCCESS WAS JUST IN REACH OF HIM, IN ANOTHER LETTER ON THE SUBJECT HE SAYS 'YOU MAY IMAGINE THE TASK WHEN I TELL YOU THAT 2,888 NAILS HAVE BEEN PUT UP FOR THE SUSPENSION OF THE WIRES ALONG THE RAILWAY'.

THE PROBLEM OF INSULATION WAS THE BIGGEST PROBLEM FOR THIS AND OTHER TELEGRAPHS OF THE TIME. WE SHALL HAVE A LOOK AT THIS PROBLEM NEXT WEEK.

73S FOR NOW DE COL VK2CTD.

IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT 26 SEP - 02 OCT

ISSUED 03 OCT

SUMMARY

Date	26	27	28	29	30	01	02
10cm	89	88	87	90	88	87	86
A	4	11	13	9	9	32 (	5 EXPECTED)
T	47	40	52	32	38	56	5

Solar activity was very low 26 27 and 29 Sep to 1st Oct. low on 28 Sep and 2nd Oct.

The geomagnetic activity at Learmonth WA was quiet on 29 Sep and 2nd Oct. quiet to unsettled 26 28 and 30 Sep. There were minor storm levels observed overnight following a sudden impulse at 0100 UT.

Maximum usable frequencies were mostly near predicted monthly values. There was a mild depression after local dawn on 1st; and frequencies were depressed by 20 per cent until local dawn on 2nd.

FORECAST 03-09 OCT

Solar: Low.

Geomagnetic: active 03 Oct folowing sudden impulse observed at 2320UT 02 Oct. Field is expected to be quiet

to unsettled levels on 04-05 Oct. Active levels are expected 06-07 Oct based on recurrence.

Frequencies: mostly near predicted monthly values. However, degraded HF comms quality expected on 04 Oct and during interval 06-07 Oct.

COURTESY OF IPS RADIO AND SPACE SERVICES

VK2SG RTTY DXNOTES FOR WEEKENDING SEP. 26 1997

Activity is increasing with improved condx and also more interest on this mode as well from newcomers and oldtimers. This anyway is not the only reason, surely we must consider the increase of RTTY activity performed by the recent dxpedition (5A28,VK9WY are just an example). Let's hope this will be a target for next trip.

Our thanks this week go to: ZS5S, W2JGR, WB2CJL, WX5L,W5KSI, AA5AU, WS7I, 4Z4DX, SP3BGD, SP4TKK, SP4CHY, ON4BX, ON4VT, IK1HSR, IK8VRN, DL5KAT, DJ8QP, DL7VRO, DJ6TK, DF2KU, PA0HVF, I1JQJ and the 425 DX gang, OPDX, DJ3IW and the Central Europe DX Cluster DB0SPC the NJ0M node of Minnesota and the IK5PWJ Cluster.

BANDPASS:
FRIDAY 19
0055-21080 VK9WY
0154-14081 ZP6CC
0156-14081 KL7WM
1007-14083 EA9/DL6RAI
1123-14083 FK8VHN
1301-14079 VK9WY
1457-14077 BU0DX
1456-14088 EA9/DL2NBU
1532-14086 LX1JH
1551-14082 EA6ES
1601-21088 EA9/DL6RAI
1648-14087 4S7NR
1802-14082 ZD7DP
1805-14082 4S7BRG
1849-14086 5B4AGE
1857-14087 SU1GS
2105-14085 OY4TN
2324-14085 EI6HV

SATURDAY 20
0003-14080 ZP6CC
0107-14083 VK9WY
0538-14080 5B4AGE
0638-14066 YI1HK
0800-14084 ZD7DP
0810-14086 VK3AKH
0847-21083 BV0TAR Qsl via BV4QW
0849-14087 EA9/DL2NBU
0956-21083 5B4AGE
1105-14081 UN7GDB
1259-14089 CO2KG
1322-14080 DU1SAN
1409-21080 A71A
1413-21082 CX4NF

1419-21089 V85GA
1422-21081 YI1XW
1431-21087 5H1/DL7VSN
1547-14082 9M2MW
1614-14085 SU1SK
1621-14087 DU3NXE
1629-14091 Z31AJ
1638-14078 KH2JU
1712-14085 4S7NR
1751-14086 9A50D
1757-14084 9H4CM
1820-14084 ZD7SM
1848-14091 OY4TN
1938-14089 EM1HA Qsl via I2PJA
2024-14083 EA6BH
2038-14082 C31LA
2136-14085 5H1/DL7VSN
2259-14083 YL2DSX

SUNDAY 21
0011-14081 UA0SJ
0128-14086 VP8CPR
0654-14085 FK8VHN
0706-14084 ZD7DP
0710-14081 UA0ZBK
0712-14085 RW9FZ
0718-14086 EA9/DL2NBU
0752-14095 7K4QOK
0817-21084 RW9FZ
1008-14087 HL2KV
1015-14088 EA8AG
1111-21086 OY4TN
1116-14087 FK8VHN
1130-14080 OY4TN
1144-14082 UA0SJ
1309-21078 BV0TAR Qsl via BV4QW
1311-21081 BU0DX
1424-14080 CE8ABF
1436-14084 DU3NXE
1506-14088 YB3OSE
1524-14083 XE1J
1933-14087 EA9/DL2NBU
2157-14085 5H1/DL7VSN

MONDAY 22
0009-21080 LU8EKC
0119-18107 VP8CTR
0659-14082 SX2THE
0746-14082 FK8VHN
0747-14086 Z31JA
0755-14084 SU1SK
0810-14084 YL2DX
0858-21083 BV0TAR
1350-14082 VU2KFR
1420-14085 BV4ME
1427-14089 EW8OS
1454-14081 UA0SJN

TUESDAY 23
0044-14085 VP8CTR
0124-14082 ZP6CC
0453-14087 9X0A
0744-14085 FK8VHN   OC-032

0847-14081 SX2THE
0940-14085 V63BR
1029-21080 BV4ME
1126-14078 3B8DL/3B9
1126-21084 5B4AGE
1216-21085 3A/IV3TAN
1415-14083 DU1SAN
1422-14082 V63BR
1433-14089 DU3NXE
1456-14083 YL2KL
1641-14080 5H3HG
1642-14082 FR5DN
1755-14081 VU3BGS
1818-14085 5H1/DL7VSN
1842-14085 ZD7DP
2122-14085 GU3HFN

WEDNESDAY 24
0010-14081 CE8SFG
0151-14082 FK8HC
1045-21081 5B4AGE
1115-21080 BV4ME
1116-14083 UN5PR
1430-14080 3B9/3B8DL
1445-14086 DU3NXE
1459-14078 AL7R
1509-14081 4Z5AV
1526-21085 V63BR
1528-21087 3B9/3B8DL
1549-21082 EA9JZ
1551-14088 YB3ZCK
1555-14086 VR2RO
1600-14080 EA8KG
1609-14089 OY4TN
1627-14081 AP2TJ
1835-14080 OY4TN
1909-14084 EM1HO
1910-14085 ZK1XXP
1947-14085 5H1/DL7VSN
2126-21085 ZK1XXP

THURSDAY 25
0001-14083 VP8CTR
0032-14085 XE1J
0106-14086 9N1RHM
0203-14082 CE8ABF
0226-14085 AP2TJ
1139-21079 SU1SK
1204-14085 4U1ITU
1348-14082 IS0YTA
1355-14088 OD5NJ
1649-14082 FR5DN
1647-14083 AP2TJ
1648-14088 DU1SAN
1728-14082 EU1DX
1852-14081 IG9/IK2PZC AF-019
1904-14084 OY4TN
1942-14085 5H1/DL7VSN
1953-14082 CX4AN

NOTE OF INTEREST:

KURE IS., K7K. Under this special call sign from 26 Sep will

start the trip which will be operating four to five HF stations from 10 to 160 meters, CW, SSB and RTTY. They will look for difficult areas specially Europe and Africa. QSL manager is Bob Johnson, KE7LZ, 5627 West Hearn Road, Glendale, Arizona 85306-4213.

HONDURAS, HR. Sigi, DL7DF, with other friends will be operating from Oct 17-29. Plans include low bands CW/SSB but also RTTY is possible.

The VK2SG RTTY DXNOTES are also available on Internet at reflector digital-dx at st.rim.or.jp. See also the OH2BUA WebCluster at URL http://www.clinet.fi/(tilde)jukka/rtty.html

For next week's bulletin send your bandpass Jules W2JGR at W5KSI.(hash) NOLA.LA.USA.NA. Gl de (DX2) Luciano, I5FLN Luciano Fusari E-mail i5fln at iol.it. HF Pactor I5FLN at ZS5S.ZAF.AF

SB DX ARL ARLD041
ARLD041 DX news
This week's bulletin was made possible with information provided by Tedd, KB8NW, the OPDX Bulletin, 425DXnews, The Daily DX, QRZ DX, DXNS, Frank, AH0W and Contest Corral from QST. Thanks to all.

RODRIGUEZ ISLAND, 3B9. Toshi, JA1ELY, and Roddy, 3B8DL, will be QRV as 3B9/3B8DL on 80 to 10 meters using CW, SSB and RTTY. They may operate primarily on 20 meters. QSL via 3B8DL.

ALAND ISLAND, OH0. Martti, OH2BH, and Jukka, OH2MAM, will be active in the Scandinavian SSB contest from the OH0W contest station. QSL via OH2BH.

CORSICA, TK. Vaclav, DL4FF, will be QRV as TK/DL4FF until Oct 10. QSL to home call.

CHAD, TT. TT6SE and TT6EB are QRV until Jan 15, 1998, using CW, SSB, RTTY and SSTV. QSL via F6FNU.

CHAGOS, VQ9. Look for Rick, WB0BNR, to be QRV as VQ9AI until mid Nov. He can be found daily on 20 meters around 1300z. QSL to home call.

GIBRALTAR, ZB. Jimmy, G3HBN, will be QRV Oct 14 as ZB2/G3HBN. QSL to home call.

Excerpts from the Ohio/Penn Dx Bulletin No. 324

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, WB2YQH and WB2RAJ The 59(9) DXReport, W3UR and The Daily DX, WA4FFW, N5FG, K7ZD, OH2/K8MN, NN9K, AC0X, CT1EAT, DJ1US/5X1S, G4BUE and DX News Sheet, G0PSE, OZ5AAH, T77WI, TA3YJ and TA3J, VK4AAR and ZS6Y for the following DX info.

FO0, MOOREA ISLAND (Update). Giancarlo, T77WI, has received the callsign FO0MOT to activate this Polynesian island (OC-046). Activity will last until Oct 12.

JY, JORDAN. 'The Daily DX' reported that King Hussein, JY1, made a very rare visit to the bands this past week. His Royal Highness showed up on 14280 kHz at 2100z. QSL via WA3HUP.

S9, SAO TOME and PRINCIPE. Francisco, CT1EAT, reports to OPDX that he will be in S9 from Oct 21 until Nov 4. His planned operations will begin from Sao Tome Island (AF-023) from Oct 22-30, using the callsign S92FC. Activity will be on 80-10 meter including the WARC bands with operations on SSB, RTTY and RS12 satellite (Mode K). Francisco has requested the special call S97A to operate during CQWW DX SSB Contest only. He plans to be a Single/Op/Multi Band LP entry. Outside of the contest he will concentrate on RTTY. This will be his first time on this mode, so PLEASE be nice.

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VK2WI, or the Secretary (Pat) VK2JPA at VK2WI.

Email address for the Broadcast Officer is :
patl(at)conmusic.usyd.edu.au or patl(at)mail.users.usyd.edu.au

73's De Pat VK2JPA Broadcast officer.
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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2KFU.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99